

**Amendments to the Specification:**

Please replace paragraph [0080] with the following replacement paragraph:

[0080] [Figure 1B] Figure 1B shows a correlation between an electronic energy level of a carbon nanotube and a redox potential of a metal in the case of (b), a ~~conducting~~ semiconducting single-walled carbon nanotube.

Please replace paragraph [00116] with the following replacement paragraph:

[00116] As used herein, "accumulate" or "accumulation" refers to transferring a monomolecular film to a solid support, and the number of times of transferring the monomolecular film to the solid support may be one or more times. In order to accumulate monomolecular films on the solid support in the state where the films can retain their structure and organization as film, those skilled in the art can take various measures to produce the film while kept in the above state, but are required, at least, to spread the inventive carbon nanotubes on the surface of a liquid, thereby forming monomolecular films. Carbon nanotubes which consist of pure carbon can float in the water due to the ~~hydrophilic~~ hydrophobic property, and the carbon nanotubes may be used with or without substitution with hydrophilic functional group, wherein the hydrophilic functional group can render an amphiphilic property to the carbon nanotubes. As used herein, "self-adsorbing monomolecular film" refers to a monomolecular layer obtained by spontaneous chemical adsorption of the carbon nanotube molecule through a disulfide or dithiol on an evaporated metal substrate, such as an evaporated gold substrate.